

ABSTRACT

A process for recovering a target metal from an oxidised metalliferous material comprises the steps of:

- in an acid generation stage, adding sulfuric acid to a solution comprising a metal halide to generate an acidic aqueous halide solution;
- in a leaching stage that is separate to the acid generation stage, leaching the oxidised metalliferous material with the acidic aqueous halide solution to leach the target metal into solution;
- passing the solution from the leaching stage to a target metal recovery stage in which the target metal is recovered from the solution whilst the metal halide is retained in solution; and
- returning the solution with the metal halide therein from the target metal recovery stage to the acid generation stage.

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